

Course Outline Guideline

Title: MaTHink 2013

Course Number: 114EDCC19

Number of Units: 1 quarter unit

Number of Hours: 10 hours

Fee: ??

Description: Participants will attend the Algebra Forum featuring university professors and other mathematics experts sharing their research and findings that will impact student success in the mathematics classroom. K-12 instructional strategies and practices worthy of attention in the teaching of mathematics will be shared and discussed.

Prerequisite: None

Expected Learning Outcomes/Objectives:

- 1) Participants will receive latest information from university professors and other mathematics experts regarding the current research that supports success in mathematics, including the CCSS-Math and the Standards for Mathematical Practice.
- 2) Participants will begin to craft a plan for mathematical excellence for students struggling with mathematics.
- 3) Participants will learn effective instructional strategies to assist English Learners who are struggling with mathematics.
- 4) Participants will use the ideas learned at the forum and incorporate them into classroom practice.

Upon completion of this course participants will:

- 1) Implement Standards for Mathematical Practice.
- 2) Incorporate effective instructional strategies to support English Learners in the K-12 classroom.
- 3) Reflect on how the mathematics research relates to classroom practice.

Topics:

- 1) The State of Mathematics.
- 2) Instructional strategies for English Learners.
- 3) Topics on Common Core State Standards.
- 4) Math Content Specific topics.

Methods of Instruction/Teaching Method: Lecture, Small Group Discussion, Group Activities

Text/Readings: No readings.

Requirements, Evaluation and Grading Scale:

- 1) Attendance of entire forum and completion of written homework assignment.
- 2) Homework assignment time allotment: Three hours
- 3) Two-page (double spaced) written reflection of the implications for classroom practice/school-wide implementation based on the information from the speakers, EL presentations, CCSS-M and the Standards for Mathematical Practice.
- 4) 100% of grade will be based on this two-page reflection.
- 5) Grading Scale:
 - A: Thoughtful reflection, description and evidence of *implemented* practices.
 - B: Thoughtful reflection and description of *planned* implementation.
 - C: Limited reflection and description.
 - D: Summary of the presentations.
- 6) Due date: "Postmarked" or "Emailed" by **Friday, April 26, 2013.**

Instructors-on-record: Shirley Roath/ Vicky Kukuruda

Shirley Roath sroath@rcoe.us
Attn: Instructional Services Unit
Riverside County Office of Education
3939 13th Street
Riverside, CA 92502

Or

Vicky Kukuruda vkukurueda@rcoe.us
Attn: Instructional Services Unit
Riverside County Office of Education
24980 Las Brisas Road
Murrieta, CA 92562